

Converting Colors

$Y_{xy}(38.4950, 0.3936, 0.4289)$

Have a look what the booklet for
Yxy(38.4950, 0.3936, 0.4289)
contains.

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Color

Yxy(38.4950, 0.3936, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	B7A75D
RGB	183, 167, 93
RGB Percent	72%, 65%, 36%
CMY	0.2823, 0.3451, 0.6352
CMYK	0.00, 0.09, 0.49, 0.28
HSL	49°, 38%, 54%
HSV	49°, 49%, 72%
XYZ	35.3267, 38.4950, 15.9311
YIQ	163.3480, 33.2900, -19.6220

Conversions

Conversions Part 2

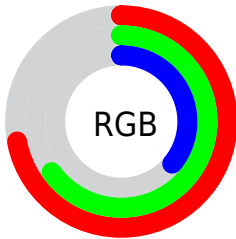
Format	Color
RYB	112, 183, 93
Decimal	12035933
CIELab	68.38, -4.23, 40.10
CIELCh	68, 40.324, 96.021
Yxy	38.4950, 0.3936, 0.4289
Android (android.graphics.Color)	4290226013 (0xFFB7A75D)
YUV	163.3480, -34.6816, 17.2348
Hunter-Lab	62.0443, -6.9435, 28.2071

Details

The Yxy color **38.4950, 0.3936, 0.4289** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6960, 0.2253, 0.2029**, and the grayscale version is **36.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9877, 0.3797, 0.4105**, and **17.0325, 0.4144, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **37.0316, 0.4098, 0.4461**, and if you desaturate by 10%, it is **40.0697, 0.3766, 0.4095**.

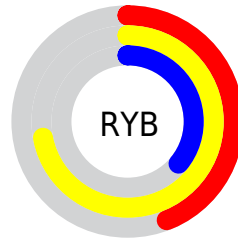
Distribution



Red (72%)

Green (65%)

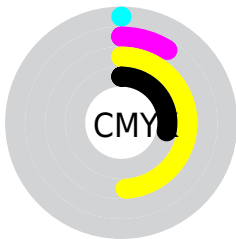
Blue (36%)



Red (44%)

Yellow (72%)

Blue (36%)

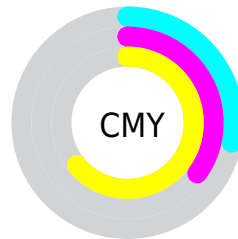


Cyan (0%)

Magenta (9%)

Yellow (49%)

Black (28%)



Cyan (28%)


Magenta (35%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4950, 0.3936, 0.4289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.4950, 0.3936, 0.4289 by changing the saturation by 10% instead.


 38.4950, 0.3936,
0.4289


 38.4950, 0.3936,
0.4289

339.7386, 0.3536,
0.3783

 26.3671, 0.4029,
0.4411


 72.8662, 0.3794,
0.4107

 17.0985, 0.4142,
0.4563


 95.8783, 0.3740,
0.4038

 10.3047, 0.4277,
0.4753

 123.2873, 0.3693,
0.3979

 5.6015, 0.4446,
0.5002

 155.4775, 0.3653,
0.3929

 2.6043, 0.4656,
0.5344

192.8333, 0.3618,
0.3885

 0.9288, 0.4561,
0.5439

235.7392, 0.3587,

 0.0000, 0.0000,

0.3847

0.0000

284.5795, 0.3560,
0.3813

■ 38.4950, 0.3936,
0.4289

■ 38.4950, 0.3936,
0.4289

■ 37.0316, 0.4098,
0.4461

■ 40.0697, 0.3766,
0.4095

■ 35.6682, 0.4245,
0.4601

■ 41.7555, 0.3594,
0.3890

■ 34.4001, 0.4370,
0.4701

■ 43.5592, 0.3426,
0.3680

■ 33.2195, 0.4468,
0.4756

■ 45.4853, 0.3265,
0.3473

■ 32.1124, 0.4541,
0.4771

■ 47.5378, 0.3115,
0.3274

■ 32.0221, 0.4546,
0.4772

■ 49.7210, 0.2976,
0.3085

■ 52.0384, 0.2850,
0.2909

■ 54.4937, 0.2735,
0.2746

■ 56.9123, 0.2646,
0.2624

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4950, 0.4274, 0.3940



38.4950, 0.3936, 0.4289



38.4950, 0.3398, 0.4377

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.4950, 0.3936, 0.4289



38.4950, 0.2091, 0.2916



38.4950, 0.3368, 0.2653

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.4950, 0.3936, 0.4289



16.6960, 0.2253, 0.2029

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.4950, 0.2771, 0.2412



38.4950, 0.3936, 0.4289



38.4950, 0.2084, 0.2518

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.4950, 0.3936, 0.4289



38.4950, 0.2344, 0.3501



38.4950, 0.2319, 0.2356



38.4950, 0.3945, 0.3033

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4950, 0.3936, 0.4289



38.4950, 0.3004, 0.4221



38.4950, 0.2319, 0.2356



38.4950, 0.3161, 0.2554

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



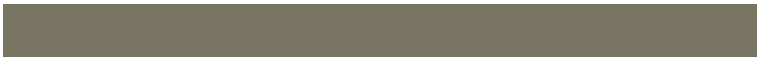
38.4968, 0.3936, 0.4289



79.3247, 0.3362, 0.3598



19.0190, 0.4221, 0.3060



17.3625, 0.3396, 0.3642



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4968, 0.3936, 0.4289



66.1070, 0.4111, 0.4473



41.5854, 0.3569, 0.4589



10.2241, 0.3268, 0.3477



22.4255, 0.4542, 0.4776



0.8626, 0.4437, 0.4859

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.6960, 0.2253, 0.2029



22.6301, 0.2047, 0.1701



15.3569, 0.2476, 0.1862



8.9711, 0.2984, 0.3096



3.2009, 0.1550, 0.0779



0.1925, 0.1671, 0.1217

Previews

White Background



This preview shows how the Yxy color 38.4950, 0.3936, 0.4289 looks on a white background.

Color Contrast Check

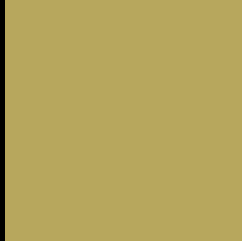
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.4950, 0.3936, 0.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4950, 0.3936, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 38.4950, 0.3936, 0.4289.



This preview shows how white text looks on a background with the Yxy color 38.4950, 0.3936, 0.4289.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.4950, 0.3936, 0.4289

Protanopia

38.4950, 0.3936, 0.4289

Deuteranopia

38.3190, 0.4178, 0.4095



Tritanopia

38.4324, 0.3339, 0.3132

Trichromacy



Original Color

38.4950, 0.3936, 0.4289

Protanomaly

38.4950, 0.3936, 0.4289

Deuteranomaly

38.3846, 0.4094, 0.4168

Tritanomaly

38.1341, 0.3571, 0.3550

Monochromacy



Original Color

38.4950, 0.3936, 0.4289

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.9319, 0.3419, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4950, 0.3936, 0.4289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(183, 167, 93)` looks like.

```
.text, #text, p{  
    color:rgb(183, 167, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(183, 167, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 167, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.4950, 0.3936, 0.4289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 167, 93) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(183, 167, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(183, 167, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 167, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 167, 93);  
box-shadow:4px 4px 4px 4px rgb(183, 167,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4950, 0.3936, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 167, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(183,  
167, 93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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